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UNIVERSITY OF DELHI.

EIGHTEENTH ANNUAL REPORT 1939-40.

In accordance with Section 38 of the Delhi University Act, this Annual Report of the University prepared under the direction of the Executive Council is submitted to the Court for consideration.

The period covered by the report extends roughly from October, 1939 to September, 1940.

The Hon'ble Kunwar Sir Jagdish Prasad, K.C.S.I., C.I.E.,
Personnel. O.B.E., resigned his office as Pro-Chancellor of
the University in April, 1940, and the Hon'ble
Sir Girja Shankar Bajpai, K.B.E., C.I.E., I.C.S., was appointed
Pro-Chancellor for a period of three years from 2nd April, 1940.

The Hon'ble Sir Maurice Gwyer, K.C.B., K.C.S.I., D.C.L.
continued as the Vice-Chancellor and Rai Bahadur S. N.
Mukarji, M.A., as the Treasurer of the University during the
year under report.

Mr. S. Sen, M.A., Principal, Commercial College was
re-appointed by the Executive Council as Proctor for a further
period of one year from 1st April, 1940.

Mr. A. Bhattacharyya, M.A. whose term of office as Honorary
Librarian was due to expire on 6th May 1940, was re-appointed
Honorary Librarian for a further term of two years from 7th
May, 1940.

The total number of students on the rolls of the University on 1st November, 1939 was 2,837 as against 2,609 in November 1938 and 2,404 in November 1937. There has been an increase of students in almost all the classes, as the statement below will show. The Intermediate classes show the largest increase viz. 142. The number of students in each of the different classes in the two years under comparison is given below:

Class	No. in November, 1938.	No. in November, 1939.
Intermediate (Arts & Science) ...	1,592	1,734
B.A. (Pass) & B.Sc. (Pass)	702	749
B.A. Honours ...	115	130
M.A. ...	116	143
Law ...	84	81
Total ...	2,609	2,837

The following statement shows the number of students in each of the different colleges on 1st November 1939:—

College.	M.A.	B.A. Hons.	B.A. Pass.	Inter. Arts.	B Sc. Pass	Inter. Science.	Final Law.	Inter. Law.	Preliminary Law.	Total
St Stephen's ...	58	55	61	106	32	76	...	...	...	388
Hindu ...	66	48	231	412	84	218	...	...	...	1,059
Ramjas ...	19	27	80	153	11	47	...	...	...	337
Anglo-Arabic ...	...	...	83	130	8	52	...	...	...	273
Commercial ...	...	...	99	232	...	...	...	...	...	331
Indraprastha Girls' ...	...	...	60	193	...	...	...	...	...	253
Ramjas Intermediate ...	...	...	...	115	...	...	...	...	...	115
University Law Classes ...	...	...	...	...	...	...	28	29	24	81
Total ...	143	130	614	1,341	135	393	28	29	24	2,837

The annual examinations were held in April and May 1940.

Examination. The number of candidates for the different examinations was 1,488 as against 1,449 in

1939. The statement given below shows the number of candidates for the different examinations and the results :

Nature of Examinations.	No. of candidates appeared.	No. of Candidates Passed.				Compt.	Percent- age of Total Passes.
		I	II	III	Total		
M.A. ...	72	8	16	18	42	...	60·5
B.A. Honours Course ...	58	5	22	22	49*	...	84·4
B.A. (Pass) ...	346	2	61	127	190	10	54·9
B.Sc. (Pass) ...	68	3	36	9	48	2	70·6
Intermediate (Arts) ...	659	27	172	195	394	39	59·9
Intermediate (Science)	200	26	71	28	125	17	62·5
LL.B. ...	32	2	23	...	25	3	78·1
Intermediate (Law) ...	32	...	...	...	28	...	87·5
Preliminary (Law) ...	21	...	...	...	17	...	80·1

*Besides these 4 were declared eligible for the B.A. Pass Degree.

The question of holding the University examinations in the University buildings instead of in the colleges was considered by the Executive Council in February 1940. It was found that there would be sufficient accommodation in the University buildings for the holding of the Degree examinations (B.A. Pass, B.A. Honours, B.Sc. Pass, M.A. and Law) but that it might not be possible to find accommodation for the Intermediate Examination also. It was therefore decided that the annual degree examinations be held in the University buildings in 1940. The degree examinations for 1940 were accordingly held in the University buildings, while the Intermediate Examination was held at four centres, *viz.* St. Stephen's College, Hindu College, Anglo-Arabic College and Ramjas College.

Inter. Arts—Commerce Group:—A Committee appointed by the Academic Council in connection with the application of the Principal, Ramjas Intermediate College for permission to teach Commerce subjects in his college, in its report to that Council commented

on the then existing Intermediate Commerce Group as follows:—

It appears to the Committee that the matter referred to it raises much wider issues and cannot be satisfactorily dealt with without reference to other and broader academic questions. The Committee considers Group B to be academically unsatisfactory, particularly in view of the fact that it is intended to lead to a specialised course for the degree of B.A. (Commerce). The inclusion of such subjects as Sanskrit, Modern Indian Languages and Philosophy, and perhaps History and Mathematics in this Group, does not help the purpose for which it is now designed. The Committee feels, therefore, that Group B should be revised in the light of its real academic purpose. The Commerce course, although in the Faculty of Arts, should be similar to the B. Com. course of other Universities i.e. it should limit itself to Commerce and allied subjects. When this is accomplished, the "specialisation" undertaken by the Commercial College will have its proper meaning.

The Academic Council referred the question of principle raised to the Faculty of Arts, and on the latter's recommendation proposed draft amendments to the Ordinance *re* the Intermediate Examination (Faculty of Arts), providing for study of subjects allied to Commerce for the Intermediate Examination (Commerce Group). The proposals of the Academic Council were subsequently accepted by the Executive Council.

B.A. Compartment Candidates allowed to study for Law --

It was pointed out by the Admission Committee in 1938 that while students who had passed the Compartmental B.A. examination of the Panjab University were able to join the LL. B. course of this University, no provision existed for the admission of similarly qualified students of this University to join that course. The matter was considered by a Committee appointed by the Academic Council and on their recommendation, provision has been made in the Ordinances permitting B. A. (Pass) and B. Sc. (Pass) Compartment students to read for the LL. B. course subject to certain conditions.

LL.B. Old Course Examination continued for another year—

When the period of the course of study for the LL. B. degree was extended from 2 to 3 years, provision was made in the Ordinances allowing students who had commenced their course of study under the two years scheme to complete their examination under that scheme within a definite limited period. The period of operation of this provision was later extended by one year (*i.e.* up to April 1940) for those students who had not been able to complete their LL. B. (Old course) degree examination within the period first fixed.

Dr. D. S. Kothari had been appointed Reader in Physics for a period of five years from May 1934.

University
Teaching.

Under sub-clause (d) of Cl. 3 of the Ordinance relating to the "Teachers of the University: their emoluments and conditions of service", the Executive Council, in November, 1939, resolved that Dr. D. S. Kothari's appointment as Reader in Physics in the University be made permanent with effect from 16th May, 1939.

Following the sanction of an increased recurring grant to the University, the Executive Council decided to take steps to fill the vacancy of Reader in Economics. In order to attract the best men available, it was considered necessary to fix a higher initial salary than the minimum fixed for the grade and Rs. 500 was therefore fixed as the starting salary. The post was advertised in the leading newspapers in India in June, 1940 and applications were received. The selection of a suitable candidate is under consideration.

The age of retirement of teachers and officers.—In November 1938 the Executive Council appointed a Committee to consider the question of the age of retirement of University teachers and officers. The Committee found that "at the present time it was generally true to say that all teachers and officers of the

University held their appointments on terms which enable the employment to be determined by notice on either side.....In these circumstances the question of the age of retirement might seem to be an academic one, since there is nothing to prevent either party to the contract giving notice to the other at any time." The Committee, however, laid down some guiding principles in connection with this question and made a report from which a few extracts are given below :

The Committee think it desirable that the principle of security of tenure should be established in the case of all University appointments, and that a teacher or officer should only be liable to dismissal in the event of misconduct or inability by reason of ill-health or otherwise to perform the duties of his office efficiently

The Committee are of opinion that the age of retirement, in the case of a professor of the University, should be 60 years, but that in special circumstances, where it is in the interests of the University, he should be allowed an extension of service by the Executive Council, on the recommendation of the Vice-Chancellor, up to the completion of his 65th year; but no extension should be allowed for more than three years at a time.

In the case of a whole-time salaried teacher of the University (*i.e.* appointed and paid by the University), other than a professor, the age of retirement should be 55, with a possible extension on the same terms as in the case of a professor, up to the completion of his 60th year.

All holders of administrative, clerical and other posts which have been declared by the Executive Council to be established posts should be required to retire on completing the age of 55 years. In special circumstances however, where it is in the interests of the University, an officer may be allowed an extension of service by the Executive Council, on the recommendation of the Vice-Chancellor in the case of administrative officers, and on the recommendation of the Registrar in other cases, on the completion of his 60th year; but no extension should be for more than one year at a time.

The Committee are of opinion that special provision ought to be made to meet the case of the present Registrar, as other Universities have done in similar circumstances. The present Registrar has already completed his 55th year, and the Committee are of opinion that the date of retirement in his case should be that on which he completes his 60th year. But they are also of

opinion that, if it is in the interests of the University and the Vice-Chancellor so recommends, he may be allowed an extension of service by the Executive Council, not exceeding one year at a time, up to the completion of his 65th year.

The Committee desire to draw attention to one or two further points.

(2) It seems likely that the Pension and Provident Fund Rules may require revision and adaptation to meet the circumstances of the new system which the Committee recommend.

(3) The Committee note with regret that there is no provision for servants of the University receiving a salary of less than Rs. 30/- a month who have to be discharged by reason of old age or because they are no longer able efficiently to discharge their duties

The Executive Council considered the report in December 1939 and it was decided that the principles contained in the recommendations of the Committee with the modifications suggested by the Council in respect of the present employees of the University should be accepted, and that the same Committee should be appointed to complete the details of the proposals. It has been proposed also to make some kind of old age provision for University employees drawing a salary of less than Rs. 30 p. m.

It was noticed that no rules had been made laying down the mode of recognition, or specifying the qualifications and experience necessary for the recognition of teachers of recognised colleges as 'Readers' or 'teachers of the University'. The matter was examined by a Committee of the Academic Council and on their advice the Academic Council made certain recommendations to the Executive Council. The Executive Council considered these recommendations and proposed the following draft Statute to the Court:—

Recognition of
teachers—
Enactment of
New Statute
(St. 17-A) and
amendment to
St. 17.

1. The qualifications of recognised teachers of the University shall be such as may be determined by the Ordinances.

2. All applications for the recognition of teachers of the University shall be made in such manner as may be laid down by the regulations made by the Executive Council in that behalf.

3. The period of recognition of a teacher of the University as Professor, Reader or Lecturer shall be determined by the Ordinances made in that behalf. An employee of a College, recognised as a teacher of the University otherwise than as a Professor, Reader or Lecturer, shall continue to be recognised so long as he is in the service of the College.

The Executive Council may, however on a reference from the Vice-Chancellor, withdraw recognition from a teacher provided that the teacher or the college concerned may, within a period of 30 days from the date of the order of withdrawal, appeal to the Chancellor against the order. The decision of the Chancellor shall be final.

The following draft amendment to Statute 17 (2) was also proposed to the Court:—

Provided that before referring the case to the Chancellor, the Executive Council shall inform the College concerned of its decision and the grounds therefor; the college shall be entitled to make representation thereon. The representation of the College, if any, together with the decision of the Executive Council and the grounds therefor, shall be laid before the Chancellor.

These draft Statutes were considered and approved by the Court and have received the assent of the Governor-General in Council. It is hoped that these measures will to some extent safeguard the interests of recognized teachers.

In December, 1937, the Academic Council had appointed a Committee to consider Principal S. Sen's letter regarding the principles that should guide the Committees of Selection in recommending the recognition of teachers of colleges as 'teachers of the University'. The Committee recommended as follows:—

"That for purposes of recognition of college teachers as teachers of the University the following principle be adopted, *viz* that recognition should be accorded to a teacher on the ground of his academic and other qualifications irrespective of the college to which he might happen to be attached."

The Committee was then asked to fix also the minimum academic and other qualifications necessary for the recognition of college teachers to teach up to different standards. On the recommendation of the Committee, the Academic Council have now adopted the following schedule of qualifications:—

I. Minimum qualifications that make a College teacher eligible for University recognition up to the M.A. or B.A. (Hons). standard.

- (a) First class Master's degree of an Indian University or an equivalent degree.
- (b) Second Class Master's degree of an Indian University preceded by a First Class Honours degree in the same subject or an equivalent degree.
- (c) Second Class Master's degree of an Indian University or an equivalent degree with at least five years' experience of teaching in degree or higher classes.
- (d) Master of Commerce degree of the Bombay University or equivalent degree.

The Selection Committee may, however, make an exception in the case of a teacher of established reputation for distinguished teaching work, or other achievement, *e. g.*, authorship, original research, scholarship, etc.

II. Minimum qualifications that will make a College teacher eligible for University recognition up to the Degree standard.

- (a) Second Class Master's degree of an Indian University or a degree equivalent thereto.
- (b) Master of Commerce degree of the Bombay University or equivalent degree.

The Selection Committee may, however, make an exception in the case of a teacher of established reputation for distinguished teaching work, or other achievement, *e.g.*, authorship, original research, scholarship, etc.

III. Minimum qualifications for University recognition of College teachers up to the Intermediate standard.

A Master's degree of an Indian University or any other degree equivalent thereto.

The Selection Committee may, however, make an exception in the case of a teacher of established reputation for distinguished teaching work, or other achievement, *e.g.*, authorship, original research, scholarship, etc.

IV. Minimum qualifications for recognition of Science Demonstrators.

A Master's degree in the subject.

It has been the usual practice to recognise teachers of colleges as 'Readers' or 'teachers of the University' for a period of two years at a time.

Recognition of
Readers and
Teachers.

The term of Readers and teachers thus recognized was due to expire on 15th May, 1940. Applications of teachers of colleges for recognition as teachers of the University were examined by the Committees of Selection and on their nomination the Executive Council accorded recognition to teachers of colleges as teachers of the University in May, 1940. The under-mentioned persons were accorded recognition as Readers of the University, in the subjects noted against their names for a period of two years from May, 1940.

1. English	...	1. Mr. A. Bhattacharyya 2. Dr. S. Dutt 3. Mr. Harold Loukes
2. Mathematics	...	1. Rai Bahadur S. N. Mukarji 2. Dr. Ram Behari 3. Dr. B. R. Seth
3. Economics	...	1. Mr. K. C. Nag 2. Dr. B. N. Ganguli
4. History	...	1. Dr. T. G. P. Spear 2. Mr. D. R. Bhandari 3. Mr. Ganpat Rai
5. Philosophy	...	1. Dr. N. V. Banerji 2. Dr. S. K. Saksena
6. Sanskrit and Hindi	...	1. M. M. Pandit Lachhmidhar 2. Mr. N. N. Choudhuri 3. Dr. Har Dutt Sharma
7. Arabic, Persian & Urdu		1. Dr. S. Azhar Ali 2. Mr. M. H. Musavi 3. Mr. Mirza Firoze Bakht Chaghtai

In the Faculty of Law the following persons were appointed as Honorary Readers in the subjects noted against their names

for a period of two years from 16th May, 1940: —

- | | |
|-----------------------------|----------------------------|
| 1. Hindu and Muhammadan Law | Rai Bahadur Ram Kishore |
| 2. Criminal Law | Mr. S. N. Bose |
| 3. Civil Law | Rai Bahadur Harish Chandra |
| 4. Jurisprudence | Mr. Rang Behari Lal |

Dr. Radha Kamal Mukerjee, M. A., Ph. D., Professor of Economics, Lucknow University was appointed Sir Kikabhai Premchand Reader in Economics for 1939. He chose "*Economic Legislation and Economic Uplift*" as his subject and delivered a course of ten lectures commencing on the 3rd January 1940. The lectures which were open to the public as well as members of the University were delivered partly at St. Stephen's and partly at Hindu College in the evenings. The programme of the lectures and the topics dealt with are given below:—

		<i>Date</i>	<i>College</i>	<i>Topics</i>
Lecture.	I.	3rd Jan.	St. Stephen's	The Scope of Agrarian Economics.
"	II.	4th Jan.	"	The Agrarian Foundations of Economic Policy.
"	III.	5th Jan.	"	Economics, Property and Law.
"	IV.	6th Jan.	"	Competition and Mobility <i>Versus</i> Custom and Status in India.
"	V.	8th Jan.	"	The Class <i>Versus</i> the Social Group in Indian Rural Economy.
"	VI.	23rd Jan.	Hindu	Institutional Differences between Capitalistic Industrialism and Indian Rural Economy.
"	VII.	24th Jan.	"	Modern Capitalism and Communalism as Ideal Types.
	VIII.	25th Jan.	"	Rural Democracy and Peasant Proprietorship.

Lecture IX. 26th Jan.	„	Economic and Social Relations in Industrial and Agricultural Communities.
„ X. 27th Jan.	„	Progress and Planning.

The lectures delivered by Dr. V. Shiva Ram of Lucknow University on the subject of "*State in relation to Labour in India*" were printed and published early in 1940.

A series of lectures (eight in number) was delivered by each of the undermentioned gentlemen:—

1. The Hon'ble Justice Sir Srinivasa Varadachariar, Judge, Federal Court, on *Hindu Law*.
2. Sir Brojendra Mitter, K. C. S. I., Bar-at-Law, Federal Advocate General on *The Constitutional Law of India*.

While these lectures were chiefly intended for the Law students of the University, they were open to the public too. They were delivered in the University Hall in the months of January and February, 1940.

Rai Bahadur N. K. Sen, M. A., Head of the Department of Philosophy continued to be the Dean of the Faculty of Arts. Faculty of Arts during the year under report.

The teaching work in the Faculty was carried on as usual by the Colleges. In the Department of Philosophy, however, Rai Bahadur N. K. Sen, continued to supplement the college work with lectures in *Modern Metaphysics and Psychology*.

There were two notable retirements in the Faculty of Arts, during the year under report. Mr. C. B. Young of St. Stephen's College who had been the Head of the Department of English since the inception of the University, and for some years the Dean of the Faculty of Arts retired in May, 1940. Shams-ul-Ulema Haji Maulvi Abdur Rahman of Stephen's College who had been the Head of the Department of Arabic,

Persian and Urdu of the University for a long time also retired in 1939. The University desire to place on record their great appreciation of the valuable services rendered to the University by these gentlemen during their long and close association with this University. Mr. A. Bhattacharyya of Hindu College has been appointed as Head of the Department of English and Dr. S. Azhar Ali of St. Stephen's College as Head of the Department of Arabic, Persian and Urdu.

Dr. T. G. P. Spear was the Head of the Department of History, but he had to sever his connection with the University in July, 1940 owing to his appointment in the Government of India. In his place Mr. D. R. Bhandari of Ramjas College was appointed as Head of the Department of History.

The personnel of the Faculty remained the same as in the previous year. Dr. B. D. Laroia, Head of the Faculty of Science, Department of Chemistry continued to be the Dean of the Faculty.

The University, as part of their scheme for the development of Science teaching, provided the Physics Department this year with a new Laboratory for B. Sc. (Pass) work and has proposed to construct a new Chemistry Laboratory. Details regarding the construction of the new laboratories have been given elsewhere.

Dr. B. D. Laroia was co-opted as a member of the Faculty of Science of the Agra University for a period of three years.

Dr. D. S. Kothari was invited by the University of the Panjab in March, 1940 to deliver the second series of lectures on *Relativity and Statistical Mechanics*, the first series having been given last year. His work on *Pressure Ionization* formed the subject of the address (Published in *Nuovo Cimento* Vol. XV, 1938) by Professor A. Sommerfeld at the Galvani bicentenary celebrations, and has also been referred to by Sir Arthur

Eddington in the Transactions of the International Astronomical Union for the period 1935-38.

A number of B.Sc. Chemistry students visited several factories at different places in December, 1940. The tour was highly instructive and of much educative value.

The number of students taking B.Sc. Physics was 161, 94 in the III Year and 67 in the IV Year, showing an increase of about 30 over last year's number. It has been found increasingly difficult to conduct satisfactorily the practical work of such a large number of students with the present staff which consists of one Reader and one Assistant Lecturer. The question of increasing the staff to meet this difficulty is engaging the attention of the University authorities.

During the year under report there were 81 students
Faculty of Law. including a lady, attending Law lectures.

Lecture work continued to be done by the three permanent teachers, supplemented by the work of four honorary Readers. Moot Courts were conducted regularly by the permanent staff and led to lively discussions on interesting points of law.

The residential side of the Law Hall was abolished on account of financial reasons. The Warden of Law Hall, Mr. M. S. Shahani, was designated Senior Tutor. Tutorial work continued to be done by him and the two other full-time teachers.

The Law Union Society held its Annual Prize Debate in January, 1940, and the trophy was won by Hindu College. The Society also arranged several lectures and debates.

The report of the Inspection Committee appointed by the Academic Council to inspect the recognised Colleges has been forwarded to the Principals of Colleges for the consideration of their Governing Bodies.

In October, 1939, the Academic Council considered the application of Ramjas Intermediate College for permission to add the following to the list of subjects in respect of which the college was already recognised :—

Hindi, Urdu, Commerce, Geography.

The Principal, Commercial College was of opinion that there was "an express understanding hitherto given by the University to the Commercial College.....that that college and no other constituent college of the University was to teach Commerce in combination with the subjects included in Group B for the Intermediate Arts Examination". The matter was referred to a Committee which came to the conclusion that the contention of the Principal, Commercial College could not be upheld. Their report and recommendations are given below :—

Principal Sen's contention that "there has been an express understanding given by the University to the Commercial College that that College, and no other Constituent College of the University, is to teach Commerce in combination with the subjects included in Group B for the Intermediate Examination" appears to the other members of the Committee to be based upon a misapprehension. It is true that at one stage (*vide* A.C. No. 270, dated 2-3-1926) it was understood that the new Group (Group B (Special)) would apply to a single institution for a limited number of years. But it was a restriction imposed rather than a privilege granted to the College. The restriction was due to the fact that as explained above, the University expected the creation of a Faculty of Commerce at a later date and till the creation of the Faculty it seems to have been thought desirable that the Group should only be permitted for a limited number of years and in one institution only. No question of a monopoly was ever considered by the University.

It appears to the Committee that the matter referred to it raises much wider issues and cannot be satisfactorily dealt with without reference to other and broader academic questions. The Committee considers Group B to be academically unsatisfactory,

particularly in view of the fact that it is intended to lead to a specialised course for the degree of B. A. (Commerce). The inclusion of such subjects as Sanskrit, Modern Indian Languages, and Philosophy, and perhaps History and Mathematics in this Group, does not help the purpose for which it is now designed. The Committee feels, therefore, that Group B, should be revised in the light of its real academic purpose. The Commerce Course, although in the Faculty of Arts, should be similar to the B. Com. course of other Universities, *i.e.* it should limit itself to Commerce and allied subjects. When this is accomplished, the "specialisation" undertaken by the Commercial College will have its proper meaning.

With regard to the actual question referred to us, we see no reason why the Commercial College should have a monopoly of teaching Commerce, at any rate up to the Intermediate Standard; it is not necessary to express any opinion as to the teaching of Commerce beyond that stage. Since we cannot admit that the College enjoys any kind of monopoly, there is no reason why its instructional activities should be restricted in any way. It should be authorised to teach, in addition to the specialised course in Commerce, any Arts subject up to the B.A. Pass-standard for which it is adequately staffed and equipped.

We recommend therefore:

1. that Ramjas Intermediate College be authorised to teach the two following additional subjects, *viz.* Commerce and Geography;
2. that the Commercial College be authorised to teach in addition to the specialised course in Commerce any Arts subjects for which it may be adequately staffed and equipped.

The Academic Council accepted the recommendations of the Committee and a draft Statute was accordingly proposed by the Executive Council to the Court and accepted by that body.

The Principal, Commercial College applied, in February, 1940, for permission to teach, besides the Commerce Group, other combinations of those subjects in the courses of study for the Intermediate (Arts) and B. A. (Pass) examinations for which his college was adequately staffed and equipped. The Academic Council resolved as follows :—

After discussion it was resolved that the Commercial College be authorized to teach the following subjects up to the Intermediate Standard.

Up to the Intermediate:—English, Economics, Commerce, Geography, History, Mathematics, Hindi, Urdu, Sanskrit, Bengali, (Additional).

Resolved further that the consideration of the question as to which subjects the College should teach for the degree courses be deferred till the general revision of Statute 18.

A report on the working and activities of the colleges is given in the Appendix.

Mr. C.B. Young resigned his membership of the Board of Secondary Education, Delhi. In his place Dr. S. Azhar Ali was elected as a member of the Board of Secondary Education, Delhi.

At the request of the Chairman, Board of Secondary Education, Delhi, Dr. B. D. Laroia, University Reader in Chemistry was permitted to undertake the duties of the Secretary, Board of Secondary Education, Delhi for a period of one year from 1st July, 1940.

The following persons represented the University at the annual meetings of the Conferences as noted below :

- | | |
|--|---|
| 1. Economic Conference held in December, 1939 at Allahabad. | Dr. B. N. Ganguli. |
| 2. Indian Mathematical Conference held in December, 1939 at Hyderabad. | Dr. Ram Behari.
Dr. B. R. Seth. |
| 3. Indian Science Congress held at Madras in January, 1940. | Dr. B. D. Laroia.
Dr. Indra Sen.
Dr. D. S. Kothari. |
| 4. Indian History Congress held at Calcutta in December, 1939 and Indian Historical Records Commission held in December, 1939 at Calcutta. | Dr. T.G.P. Spear.
Dr. Bool Chand. |
| 5. The Indian Political Science Conference held at Lahore in January, 1940. | Dr. Bool Chand. |
| 6. Indian Philosophical Congress held in December, 1939 at Hyderabad. | Dr. N. V. Banerji.
Dr. S. K. Saksena. |

The Board of Residence, Health and Discipline carried out their annual inspection of colleges and the teaching departments of the University on the 20th and 21st March 1940. The report of the Board was communicated to the colleges concerned for their information and for such observations as they might desire to make. The observations were considered by the Chairman of the Board whose final remarks are quoted below :

The Proctor has carefully gone through the observations made by the Principals of Colleges on the Report on the Residence, Health and Discipline Board of 1940. He is glad to note that Hindu College is expecting to have ampler accommodation on the present site when the Honours and M. A. students as well as the resident students now occupying a wing of the College buildings will no longer be there. But he fears that the present congestion will continue till then. It is also very doubtful if, even then, it will be possible to find adequate accommodation for the various activities of the College which will have near 1000 (one thousand) students on its rolls. It is undesirable from every point of view to have very big classes with 100 or more students. The only solution of this difficult problem seems to be restriction in the number of admissions in coming years.

The Principal, Ramjas College regrets that it is not possible for him to arrange compulsory games and sports for the II, IV and VI year class students for lack of space. He hopes that things will improve when the site allotted to his College on the University site becomes available. It is to be hoped that this wished for consummation will not be postponed for an indefinite time. So far as the Proctor is aware, there is no likelihood of this College taking its undergraduate classes to the University site. So the Principal's expectation may not be at all fulfilled, so far as these classes are concerned.

It is hoped that the Anglo-Arabic College authorities will as early as possible enlarge its class-room accommodation by constructing at least one big class-room, so as to make it unnecessary to use a portion of a verandah as a class-room. The Proctor can only hope that the efforts made by the College authorities to collect funds for the construction of College buildings on the new University site will be crowned with success. It is noted that the authorities of the College are seriously considering the matter of removing Degree classes to the University site. It is however not stated when this much desired event is expected to take place. In the meantime, which may possibly be years, something should

be done to enlarge the Library, Reading Room and Professors Room. The next inspection by the Board will reveal to what extent its recommendations regarding the Hostel rooms and specially the Hostel Common Room has been carried out.

The Commercial College has enlarged at a cost of over Rs. 10,000 its class room accommodation by the construction of three fairly big class rooms, above a range of rooms on the ground floor, which have also been reconstructed and provided with a verandah. It must be said, however, that this is not enough. At the present site, it is hardly possible, to have further extensions so as to remove the objections about lack of accommodation made in the Report. The College expects to move to the University site in the course of the next two years, as it hopes to get by that time adequate government grant which alone can enable it to do so.

The Proctor is glad to note that some attempts have been made by the authorities of the Indraprastha Girls' College to meet the objections of the Board regarding the location of the Hostel latrines. The Proctor still adheres to the considered opinion of the Board regarding the desirability of having one water closet attached to a set of two or three bed rooms. This is an amenity which women students may very well look for and demand from the College.

The rules regarding the visitors to the Women Students' Hostel should be revised and brought into line with those existing in similar institutions in other parts of the country.

The Proctor is glad to note that action is proposed to be taken to remove the objections regarding the Restaurant which is now run by men as also regarding the want of a covering over the gymnasium.

The Proctor cannot but adhere to the opinion expressed by the Board regarding the smallness of the size of the cubicles in the Ramjas Intermediate College Hostel, as well as the want of proper ventilation in these small rooms. The sooner the College constructs its Hostel the better. There is reason to believe that the number of students has increased considerably in recent years. A Reading room as well as a Common Room is sure to add to the amenities of scholastic life.

The Proctor is sorry to note that the Principals of Colleges have nothing to say about the necessity of Medical Examination. The All-India Universities Board has stressed this necessity, specially in the case of the new entrants. This year the Commercial College has started such Medical Examination the cost of which will be met from a small yearly fee of Re. 1 collected from each

student. Out of this fee help will be given to indigent students who cannot afford to arrange the recommended medical treatment specially in providing eye glasses. If necessary the College will supplement this fund.

It is very desirable that this Board should know something about the general health of the students who are flocking to the constituent Colleges of the University. For this purpose it is essential to have Medical Examination which, it may be noted, has been conducted very successfully and profitably in other Universities through Health Boards established for the purpose.

No grave case of breach of discipline was brought to the notice of the Board during the year under report. This Board is extremely grateful to the Vice-Chancellor for arranging with the head of the local government that all petty cases of breach of traffic regulations and similar offences in which University students may be involved are to be referred to the Principals of the Colleges concerned for disciplinary action and the Principals are to report to the Proctor what action they take. In comparatively serious cases the Principals are to consult the Proctor in deciding what punishment the offender deserves. It is hoped that in the fulness of time, when the Colleges shift to the University site, the Proctor will be invested with magisterial power to deal with all such offences, as is the case in many Universities.

The scheme of University development referred to in previous reports received a marked impetus following the submission of a comprehensive memorandum on the subject by the Vice-Chancellor to the Government of India in August, 1939, and its acceptance by the Government of India early in 1940. The memorandum was published in February, 1940. The Executive Council of the University passed the following resolution on the subject :—

Resolved that the Executive Council of the University of Delhi place on record their appreciation of the great service rendered by the Vice-Chancellor to the University by preparing and submitting to the Government of India a comprehensive memorandum embodying among other things the requirements of the University and indicating the lines on which its future development should lie, and their gratitude to the Government of India for their acceptance in principle of the Memorandum and their promise of financial support.

The Government of India conveyed its decisions to the University in March, 1940. In pursuance of its decisions, the Government also sanctioned a non-recurring grant of Rs. 2 lakhs and an additional recurring grant of Rs. 25,000 to the University during the year 1940-41. The University was asked to submit to the Government detailed proposals regarding the utilisation of these grants. It was understood that out of the non-recurring grant of Rs. 2 lakhs, Rs. 1 lakh was to be used for assisting colleges to move to the University site, while the other lakh would be available for general University purposes. Regarding the latter sum, the Executive Council, on the advice of the Vice-Chancellor, proposed that it should be utilised (i) for the completion of the Physics Laboratory, and (ii) for constructing a new Chemistry Laboratory. The Vice-Chancellor was authorised to discuss with the Government of India the question of the utilisation and distribution of the sum of Rs. 1 lakh available for collegiate purposes.

The programme of development of the University outlined by the Vice-Chancellor in his Memorandum to the Government of India had been based on the adoption by the University of a three-year degree course. The Government of India accepted this proposal in principle, and directed the University "to consider in detail the steps to be taken to give effect to this scheme including amendment of the new Statutes, Ordinances and Regulations of the University and to submit its proposals to the Government of India". This matter is engaging the attention of the authorities of the University.

Reference has already been made to the new laboratory of the Physics Department. The department shifted to the new building in March 1940. The building when completed will consist of a central block with

two wings projecting from the northern and southern ends respectively. During the year under report, only the central block and the southern wing were constructed in order to meet the immediate requirements of B. Sc. (Pass) teaching. It was found that the total expenditure on construction and equipment would exceed the sum of Rs. 50,000 granted by the Government, and the Executive Council therefore sanctioned an additional sum of Rs. 5,000 towards this expenditure during the year 1939-1940.

It was considered essential to take in hand immediately the construction of the northern wing of the Physics Block so that arrangements might be made for teaching up to B. Sc. Honours and M. Sc. The Executive Council appointed the same Building Committee to complete this work as well as to approve plans and deal with other matters in connection with the proposed Chemistry Laboratory. The progress made with the proposed building operations is indicated below :

(1) *Physics Laboratory.* Mr. R. N. Mathur, the Architect, had kept himself in touch with the Head of the Department of Physics and the Head of the Department of Chemistry in order to ascertain the accommodation and facilities required by them in (a) the remaining wing of the Physics Laboratory and (b) the new Chemistry Laboratory. His main ideas regarding (a) had been approved by the Building Committee before the end of the last summer term. He was accordingly instructed by that Committee to go forward with the plans and estimates of the building. It was not possible for him to start the building operations during the vacation owing to certain difficulties. The work, however, has since been taken in hand.

(2) *Chemistry Laboratory.* During the vacation the Head of the Department of Chemistry had given most of his suggestions and requirements to the Architect. Regarding the general lay out and the architectural features of the building, the Architect had also consulted Mr. Walter George and obtained his views for consideration. As the scheme of building included three laboratories, namely, Physics, Chemistry and Biology, and as the entire building would take some time to complete, the Architect undertook to prepare two or three rough plans so that a final decision might be arrived at after comparing them. Chief

among these alternative plans was the one suggested by the Vice-Chancellor himself. The Vice-Chancellor's ideas, when carried out completely, will give the Science Block a central feature with open vistas running north and south and east and west through a central structure.*

(3) *Hindu College Plans and Estimates.* The plans and estimates of the proposed building of the College were submitted by the College during the vacation. The University authorities did not then have an opportunity of examining these. But a copy of the plans and estimates was forwarded to the Chief Commissioner for transmission to the Government of India.

(4) *Sewage Extension Scheme.* The construction of new buildings on the Old Viceregal Lodge Estate for the use of the colleges and the University must involve a change in the layout of sewers on the Estate to suit the new building layout and a renovation of the existing sewage plant for sewage disposal. The Government had plans and estimates prepared for this work and the cost was estimated at Rs. 36,185. It was the Government's idea that the whole of it should be borne by the University and the colleges in such manner as they might determine among themselves. As it was considered desirable that this work should be undertaken at an early date, it seemed necessary to settle the question of the apportionment of the cost between the University and the colleges. As an alternative, it was suggested by the Government, that if the entire cost were met in the first instance by the University from its funds, it could later recover the share of the colleges from them. The Vice-Chancellor suggested to the Government of India that they should advance the money, which the colleges might be called upon to contribute recovering it (through the University) as and when the colleges moved to the new site. The apportionment of cost suggested by him taking the total cost to be about Rs. 40,000, was as follows :

The University	Rs. 5,000
St. Stephen's College	„ 8,750
Hindu College	„ 8,750
Other Colleges	„ 17,500
	„ 40,000

The Finance Department of the Government of India accepted the scheme of apportionment and proposed that while the University, St. Stephen's and Hindu College should pay their respective shares of the cost to the Government at once, the balance should be met by the Government in the first instance and recovered from the other colleges as and when they moved to the University area. The authorities of the colleges concerned were written to with a view to obtaining their concurrence.

*This plan was eventually selected by the Building Committee.

5. *Repairs to the Main University Buildings.* Reference had been made in the last year's report to the programme of non-recurring capital expenditure on the renovation of the roofs of the main buildings. Part of the work was completed during the year and work on remaining portions was still in progress. Further the decoration of the rooms available for occupation was found to require attention. The plastering had fallen off in many places and many of the doors and windows were found to be in a bad state. The rooms needed repainting and the woodwork renovation. The Vice-Chancellor had already consulted the P.W. D. and it was decided to have the condition of the building thoroughly examined by an officer of that department in co-operation with an officer of the University.

The actual income for the year 1939-40 including a
Finance. Government grant of Rs. 1 lakh amounted to
 Rs. 1,90,337. The actuals exceeded the estimates by Rs. 2,147. The actual expenditure amounted to Rs. 1,85,755, leaving out of account non-recurring capital expenditure amounting to Rs. 8,174.

The original budget estimates for 1940-41, based on a Government grant of Rs. 1 lakh, showed an expected income of Rs. 1,89,511. The estimated expenditure on recurring and recurring-fluctuating expenditure was Rs. 1,89,319, leaving a small balance of Rs. 192. Besides, provision was made for non-recurring capital expenditure of Rs. 10,000 (for renovation of the roofs of the University buildings) to be met from the Reserve Fund. Subsequently, in March, 1940, an additional recurring grant of Rs. 25,000 for the year 1940-41 was sanctioned by the Government of India. The Executive Council considered the question of utilisation of this amount, and the following proposal was provisionally agreed upon :—

Non-recurring capital expenditure on renovation of roofs, etc. of the University buildings	...	10,000
Salary of Reader in Economics	...	2,000
Survey of University site and preparation of layouts	... ..	2,000

The question, however, was left over for fuller consideration at the time when the revised estimates for 1940-41 to be considered by the Executive Council.

A sum of Rs 20,000 was received during the year as a bequest to the University from Sahibzada Sir Sultan Ahmad Khan Muntazimud-Daula, C. I. E., M. A., LL. M. (Cantab.) Bar-at-Law, late Senior Member, Council of Regency, Gwalior. The Vice-Chancellor proposed that a University Endowment Fund should be started with this sum as a nucleus, and that the interest accruing from the investment should be added to the capital till the fund reached the figure of Rs. 25,000, when the interest on the accumulated fund could be utilised for the general purposes of the University. The Executive Council accepted this proposal and resolved that the money be invested and that the details be worked out later.

The number of women students in the University has increased from 230 in the previous year to 295 in the year under report. The number of women students in men's colleges has increased from 42 to 65, owing largely to the absence of facilities for studying Science subjects in the Indraprastha Girls' College. The distribution of women students according to classes and colleges is given below :—

College.	Inter. Arts.	Inter. Science.	B.A. Pass.	B.Sc.	B.A. Hons.	M.A.	Law.	Total.
Indraprastha Girls'	171	...	58	...	...	...	...	229
St. Stephen's ...	1	1	1	...	5	8	...	16
Hindu ...	1	32	5	2	3	6	...	49
Law Classes ...	...	...	...	...	...	...	1	1
Total ...	173	33	64	2	8	14	1	295

The number of women candidates at the last examination was 146 as against 125 in the previous year. The following statement shows the number of women candidates who appeared at the different University Examinations and their results :—

Examination.	No. appeared.	No. passed.	Class.			Compt.
			I	II	III	
Intermediate Arts ...	96	62	3	38	21	7
Intermediate Science	9	3	1	2	...	
B.A. (Pass) ...	31	17	...	11	6	
B.A. (Hons.)	2	2	...	2	...	
M.A.	7	5	...	2	3	
LL.B.	1	1	...	1	...	7
Total ..	146	90	4	56	30	

In December, 1939 the Academic Council proposed to Honorary Degrees. the Executive Council the conferment of the following Honorary Degrees :—

1. The Honorary Degree of LL. D. on the Hon'ble Kunwar Sir Jagdish Prasad, K.C.S.I., C.I.E., O.B.E., Education Member of His Excellency the Viceroy's Executive Council and Pro-Chancellor of the University of Delhi.
2. The Honorary Degree of LL.D. on Rai Bahadur Ram Kishore, B.A., LL.B., Advocate, Delhi, and Dean of the Faculty of Law, and the fourth Vice-Chancellor of the University of Delhi.

This proposal was accepted by the Executive Council and it received the assent of the Court at its annual meeting held in April 1940. The proposal received the confirmation of the Chancellor in May, 1940.

The Annual Convocation was held on the 16th March, 1940. In the absence of His Excellency the Annual Convocation. Chancellor, the Hon'ble Kunwar Sir Jagdish Prasad, K.C.S.I., O.B.E., C.I.E., I.C.S., Education Member of the Viceroy's Executive Council and Pro-Chancellor of the University presided. Mr. John Sargent, M. A., Educational Commissioner with the Government of India, at the invitation of the University, delivered the Convocation address.

The number of graduates who took their degrees at the Convocation was 344 as against 297 in the previous year. The details are given below :—

College.	M.A.	B.A. Hons.	B.A. Pass.	B.Sc.	LL.B.	Total.
St. Stephen's ...	10	16	30	5	...	61
Hindu ...	10	12	80	22	...	124
Ramjas ...	5	5	22	3	...	35
Anglo-Arabic ...	...	...	19	3	...	22
Commercial ...	...	...	24	...	...	24
Indraprastha Girls' ...	...	...	19	...	...	19
University Law class ...	...	...	...	...	16	16
Ex-students, Teachers and Private candidates ...	2	...	31	7	3	43
Total ...	27	33	225	40	19	344

The Pro-Chancellor distributed the following University Medals and Prizes :—

1. *M. Makhan Lal Gold Medal* :—

Founded by Mr. Basheshar Nath Goela, B.A., LL.B., Advocate, High Court, Delhi.

Awarded to Miss Raj Kumari Puri of Hindu College, Delhi on the result of the B.A. (Honours) Examination of 1939.

2. *M. Bhola Nath Gold Medal* :—

Founded by Mr. Basheshar Nath Goela, B.A., LL.B., Advocate, High Court, Delhi.

Awarded to Janardhan Datta Gupta of Ramjas College, Delhi on the result of the B.A. (Honours) Examination of 1939.

3. *M. Jageshar Nath Gold Medal* :—

Founded by Mr. Basheshar Nath Goela, B.A., LL.B., Advocate, High Court, Delhi.

Awarded to Budh Ram being the best student of Law of the year.

4. *Rai Bahadur Brijmohanlal Sahib Memorial Gold Medal* :—

Founded by Mr. Indranarayan Brijmohanlal, B.A., LL.B., Justice of the Peace, Judge, Presidency Court of Small Causes, Bombay and Mr. Moolnarayan Brijmohanlal, District Superintendent, Bombay, Baroda and Central India Railway, Bombay.

Awarded to Janardhan Datta Gupta of Ramjas College, Delhi being the best student of a recognised college of the University who passed the B.A. Examination with the highest percentage of marks.

5. *Hira Lal Bhargava Prize* :—

Founded by the Late Pt. Hira Lal Bhargava, Retired Superintendent of Post Offices.

Awarded to Ram Swarup Bhargava an ex-student of Hindu College, Delhi.

6. *Pt. Raghubar Dayal Gold Medal* :—

Founded by the Pt. Raghubar Dayal Memorial Fund Committee in memory of the Late Pt. Raghubar Dayal, Principal, Sanatana Dharma College, Lahore.

Awarded to Sudhir Kumar Gupta of Ramjas College, Delhi being the best student of Sanskrit of the year.

7. *Rector's Prize* :—

Founded by Rev. Canon F.J. Western, M.A., formerly Head of the Cambridge Mission, Delhi and first Rector of the Delhi University.

Awarded to Yashwant Rai of St. Stephen's College, Delhi for General Knowledge and ability on the result of a Competitive Examination open to under-graduates of the University.

8. *Ravi Kanta Gold Medal* :—

Founded by Mr. Padam Prasad, 19, Daryaganj, Delhi in memory of his deceased wife Ravi Kanta Devi.

Awarded to Miss Bela Rani Bose of Indraprastha Girls' College, Delhi being the best woman student in the Intermediate Examination held in 1939.

Books & Periodicals : The total number of volumes excluding calenders, etc. of different Universities, on March 31, 1940 was 28,845. The total number of new accessions during the period under review was 2,340 of which 2,072 volumes were purchased and 268 volumes obtained free. The number of Periodicals received including free copies was 194.

Service : 23,652 volumes were lent out to borrowers, (excluding those issued to the University teaching departments), the daily average being 115.9. The daily average of persons visiting the Library was 61.6.

Finance : The total income from grants, fines, and deposits was Rs. 21,942-6-0 and total expenditure Rs. 22,158-6-3 (i.e. there was an over spending Rs. 216-0-3.) A detailed statement is given below :

Income.

		Rs.	a.	p.
<i>Books etc.—</i>				
	Main section	10,000	0	0
	Periodicals	3,000	0	0
	Law section	1,450	0	0
	Non-recurring additional grant	1,000	0	0
	Total	15,450	0	0
<i>Misc. :—</i>				
	Equipment	900	0	0
	Book-binding	1,200	0	0
	Library Supplies and Printing	450	0	0
	Contingencies	300	0	0
	Unforeseen	50	0	0
	Stationery	50	0	0
	Servants' liveries	40	0	0
	Fines and deposits etc.	206	6	0
	Total	3,196	6	0
<i>Staff :—</i>				
	Provident Fund	2,960	0	0
		336	0	0
	Total	3,296	0	0
Grand Total		21,942	6	0

Expenditure ;—

	(1) Books :				(2) Periodicals :			
	No. of Vols.	Amount			Vols.	Amount.		
General Reference Books	116	1,019	4	2	31	505	8	8
Philosophy	142	1,129	6	8	5	121	0	0
Economics	88	697	11	10	19	312	13	11
Mathematics	25	322	10	3	11	192	1	9
Physics	157	1,483	15	2	22	514	5	11
General Science	38	467	1	4	8	135	2	0
Chemistry	50	623	6	4	10	195	8	1
English	129	773	12	4	3	38	6	3
History	230	2,115	1	11	4	55	6	6
Sanskrit and Hindi	372	1,343	4	6	3	14	8	0
Bengali	13	70	2	0	1	6	6	0
Arabic	43	556	2	0	3	39	1	3
Persian and Urdu	334	1,099	4	0	11	53	9	0
Total ...	1737	11,701	2	6	131	2,183	13	4
Law ...	179	1,716	7	0	25	298	1	5
Total ...	1916	13,417	9	6	156	2,481	14	9

Books & Periodicals Total Rs. 15,899 8 3

<i>Miscellaneous :</i>	1938-39			1939-40			
	Rs.	a.	p.	Rs.	a.	p.	
Equipment	947	4	0	884	13	0	for 2202 vols.
Book-Binding	1,015	14	0	1,132	11	6	
Library supplies, etc.	444	3	6	572	9	0	
Contingencies	297	7	6	294	5	0	
Unforeseen	25	4	0	0	0	0	
Refund (deposit)	50	0	0	30	0	0	
Servants' liveries	—	—	—	—	—	—	
Stationery	49	12	0	48	7	6	
Total ...	2,829	13	0	2,962	14	0	
Staff (1937-38)	2,890	0	0	2,960	0	0	
Provident Fund	290	0	0	336	0	0	
Total	3,180	0	0	3,296	0	0	
Grand Total	22,158 6 3						

Works published during the year 1939-40.

FACULTY OF SCIENCE.

Physics Department.

The following is the list of papers published by persons who did their work wholly or in part in the University Physics Department during the year 1939.

Dr. D. S. Kothari, M.Sc., Ph.D., University of Delhi, Delhi.

1. *Three Elementary Examples of the Uncertainty Principle.* Phil. Mag. 27, 62, 1939.
2. *Meson and Cosmology.* Vol. 144. Nature. 548, 1939.

Dr. D. S. Kothari and R. C. Majumdar (Bose Institute, Calcutta).

The Meson and its transformation into heavier particles. Nature. 143, 796, 1939.

Mr. Hazari Lal Gupta (B.Sc. IV Year) and Mr. Abinash Chandra (B.Sc. IV Year)

Evaporation from Earthen jugs. Ind. Jour. Phys. 13, 39, 1939.

Mr. B. N. Singh, Delhi.

Scattering of light in Bose-Einstein and Fermi-Dirac gas. Phil. Mag. 28, 635, 1939.

Mr. A. G. Chowdri, M.A., Anglo-Arabic College, Delhi.

Note on the Method of determining Refractive Index by means of microscope. Science & Culture. 5, 719, 1939.

Mr. S. B. Mathur, Hindu College, Delhi.

1. *Focal length of Concave lens.* American Phys. Teachers, 1939.
2. *A note on the method of parallax and the resolving power of the eye.* Phil. Mag. 27, 94, 1939.

Mr. S.B.L. Mathur, Asst. Lecturer, University of Lucknow, Lucknow.

The laws of Electrodynamics and Newton's Third Law of Motion. Science & Culture. 5, 1939.

Mr. F. C. Auluck, Lecturer in Mathematics, Dayal Singh College, Lahore.

1. *Entropy of a Fermi-Dirac gas.* Phil. Mag. 27, 370, 1939.
2. *Linear extension of the reflected Image produced by a surface traversed by waves.* Ind. Jour. Phys. 13, 321, 1939.
3. *Theory of Pressure Ionization and the Constitution of White dwarf Stars.* Monthly Notices of the Royal Astronomical Society. 239. 1939.

FACULTY OF ARTS.

Works published by recognised teachers of the University.

The following have been reported by the colleges:—

English Department.

Mr. R. P. Chopra, M. A., Ramjas College, Delhi.

Elements of English Prosody. Written jointly with Mr. A. M. Banerjee, M. A., of the Behar Educational Service. (The Modal Press, Delhi.)

Mathematics Department.

Dr. Ram Behari, M. A., Ph. D., St. Stephen's College, Delhi.

A Theorem on Normal Rectilinear Congruences. Proc. Ind. Acad. Sc. Vol. XII.

Dr. B. R. Seth, M.A., D.Sc., Hindu College.

Irrotational flow outside triangular Cylinders. Abstracts. 27th Ind. Sc. Congress, Part 3.

Stress-Strain relations in problems of Hydrodynamics, Elasticity and allied subjects. Proc. 27th Ind. Sc. Congress, Part 4.

Transverse Vibrations of triangular membranes. Proc. Ind. Acad. Sc. A. 12 (1940).

Dr. S. R. Das Gupta, M.A., Ph. D., Commercial College.

Seasons of the Indian Calendar. The Twentieth Century, Allahabad.

Mr. G. R. Seth, M.A. and Mr. Qabul Chand, M.A., Hindu College.

Method of images applied to waves in canals. Proc. Benares Math. Soc., New Series, 2 (1940)

Mr. P.L. Bhatnagar, M.Sc. St. Stephen's College.

On the Origin of Solar System. Indian Journal of Physics, 1940.

Mr. Hari Shanker, M. A., Anglo-Arabic College, Delhi.

Integral Representation of Weber's Parabolic Cylinder Function and its Expansions into an infinite Series. The Journal of the Indian Mathematical Society, Vol. 4, No. 1.

History Department.

Dr. T. G. P. Spear, M.A., Ph.D., St. Stephen's College.

Lord Ellenborough and Lord William Bentinck, Indian Historical Congress Proceedings.

The Communal Problem in India. Oxford University Press.

Mr. K. A. Chishti, M. A., Anglo-Arabic College, Delhi.

Lord Ellemborough's Policy in Sindh. (The Proceedings of the Indian History Congress.)

Philosophy Department.

Dr. N. V. Banerjee, M. A., Ramjas College, Delhi.

"Are Mathematical Propositions Analytic." (Published in the Philosophical Quarterly as well as in the Proceedings of the Indian Philosophical Congress.)

Mr. R. M. Loomba, M. A., Ramjas College, Delhi.

1. *Identities in Mysticism*. (Published in the Proceedings of the 15th Indian Philosophical Congress, also in the Philosophical Quarterly, Vol. XVI.)
2. *Visua Motor Co-ordination Ability of University Students*. (The Proceedings of the 27th Indian Science Congress).

Dr. S. K. Saksena, M. A., Ph. D., Hindu College, Delhi.

1. *The Problem of experience in Samkhya-Yoga Metaphysics*. (The Poona, "Orientalist".)
2. *'Svapramanatva and Svaprakasatva', an inconsistency in Kumarila's philosophy*. (Published in The Review of Philosophy and Religion, Allahabad, also in The Philosophical Quarterly, Amalner.)

Dr. Indra Sen, M. A., Ph. D., Hindu College, Delhi.

1. *'Understanding' as a Psychological Method*. (Published (in abstract) in the "Abstracts" volume of the Indian Philosophical Congress.)
2. *The Psychology of Problem Children*. Published (in abstract) in the publication entitled "Discussions" of the Indian Science Congress.
3. *Khilona*. (A pamphlet in Hindi on toys). *"Environment and Culture"* (A pamphlet in Hindi.)

Department of Sanskrit and Hindi.

M. M. Pandit Lachhmidhar, M. A., M. O. L., Shastri, St. Stephen's College, Delhi.

1. *The Myths of the Five Husbands of Draupadi*. Revised and enlarged. (The Woolner Commemoration volume.)
2. *Studies in Ancient History : (i) The Trefoil patterns at Mohenjo Daro. (ii) Who are Arurmaghas ? (iii) Was Darius known to the authors of the Mahabharata ?* Revised and enlarged. Published by the Academic Press, Delhi.
3. *Braja-Vibhuti*. Selected poems of Braja-Bhasha, edited with notes on poets and an introduction in Hindi. Written in collaboration with Premanidhi. (Atma Ram & Sons, Lahore.)

Dr. Har Dutt Sharma, M. A., Ph. D., Hindu College, Delhi.

1. *Brahma-Sutra-Catuhsutri*. (The Oriental Book Agency, Poona.)
2. *The Vaisnava Philosopher, Priyadasa and his works*. (The Indian Historical Quarterly, Vol. XVI).

Mr. N. N. Chaudhury, M. A., Ramjas College, Delhi.

"A Peep into the Tantra and its Deity" (The Calcutta Review.)

APPENDICES.

THE UNIVERSITY TRAINING CORPS.

Major C. S. Cay, Offg. Adjutant, 9th (Delhi) Bn. University Training Corps has reported as follows :—

This report covers the period 2nd December 1939 to 16th December 1940, and has been punctuated by two events of outstanding importance as far as this unit is concerned.

- (1). The re-organization of the Bn. on a one Coy. basis of 6 Platoons.
- (2) The loss of the services of R. S. M., H. J. Horseman on promotion to Adjutant of Dacca University Training Corps.

The strength of the Bn. at the beginning of the period was :—

<i>Officers</i>	<i>U/Os.</i>	<i>W.Os.</i>	<i>C.Q.M.S.</i>	<i>Sgts</i>	<i>Cpls</i>	<i>L/Cpls</i>	<i>Cadets</i>	<i>Total.</i>
5	3	2	2	7	9	23	265	316

Up to the time of re-organization the position was as follows :—

4	5	2	2	7	15	29	99	163
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This period covered the examinations, the taking of degrees, and accounts for about 40% of the decrease. But the annual wastage is still very high, with the result, that a great many members are leaving the Corps only half trained, which in itself is very unsatisfactory. In order to remedy this, only students in their 1st or 3rd year are now being enrolled. It is hoped that an improvement in this direction may occur this year.

Ninety recruits have been absorbed to date, and training is in full swing.

In comparison with last year's recruits, of which 45 had been discharged at the same state of training, the number is now only 5.

The re-organization reducing the total strength from 318 to 233 has readily been effected. Instead of remaining over 20% below strength throughout the year, the Unit is now up to establishment.

The training of 2nd and subsequent year men, was intensified this year, and many new and interesting subjects were introduced. In spite of this the attendance, although better than the previous year, was still disappointing, with the result that members arrived in camp at different stages of training. It does not seem to be realised that the camp period is the culminating point of the year's training, at which the unit as a whole is co-ordinated and knitted together as a team. When members of this team are only half, or indifferently trained, through lack of attendance at parades, the machine clogs and is difficult to drive. This is particularly noticeable, when after about 10 days intensive training, the team begins to take shape.

The remedy of course is obvious, regular attendance, and enhanced support by the college and University Authorities.

Pre-camp specialized training in Elementary Tactics was given to all Officers, W.Os and Sgts. The lectures and schemes were generally well attended, with resultant benefit to those concerned.

Classes in Lower Efficiency were held. Many members volunteered to attend, but the numbers steadily declined throughout the course and only 9 appeared for the examination. The following were awarded a signed pass certificate —

C.S.M.	Onkar Singh Kalkat
C.Q.M.S.	K. Mandhata Singh
Sgt.	Tilak Raj Mohindra
Cpl.	B. S. Sharma

In the ensuing year a different policy is being adopted, as regards attendance and examinations. This briefly summarized is :—All N. C. Os newly promoted will attend, or forfeit their promotion, and only “passes” will be considered for further advancement.

The annual camp was again held from September 24th to October 8th at Kingsway, this after many rumours of going further afield. In this connection it may be mentioned that it is certain another camp site will be used in 1941.

The attendance was:—4 Officers, 3 U/Officers and 127 N. C. Os and Cadets.

Excluding those not eligible to attend through lack of training, this attendance represented 84 per cent of the strength on that date, which was very gratifying.

The Roorkee Platoon of the 3rd (U. P.) Bn. was again in camp, and demonstrated their general efficiency by carrying off the first three places in the “Observation Competition”. This competition will undoubtedly be much keener next year.

Generally the work in camp was good, but again the lack of leadership was evident. This is due to a great extent to the almost non-existent use of imagination. Furthermore, the physical fitness of the majority of members on arrival is deplorable, and precludes the holding of any serious exercises for nearly half the period.

Two night operations were included in the exercises, which were very much appreciated.

The Brigade Area Commander (Brig. H.V. Collingridge, O.B.E.) visited the unit in camp on two occasions. On one of these he saw various Platoons taking part in a Patrol Scheme.

He expressed his satisfaction with what he saw and was pleased at the keenness displayed.

The camp was also visited by the Hon'ble Sir Maurice Gwyer, K.C.B., K.C.S.I., Vice-Chancellor of the University, who saw the unit at bayonet fighting and drill.

The camp story cannot close without mention of another visit, that of General Element. He arrived with a rush, amid driving rain and streaks of fire, and within a few minutes had reduced the Bn. to a sorry state, levelling the camp and forcing the unit into a hasty and undignified withdrawal in various stages of undress. Much material was lost, but fortunately there were no casualties.

The morale of the troops during the whole of the engagement was high, and they quickly recovered in the first flush of dawn.

The Annual Rifle Meeting was held on 17th November 1940. The attendance was very meagre, despite the fact that the day in the open, picnic fashion is usually appreciated.

Amongst others, the Area Commander (Brig. H.V. Collingridge, O.B.E.) also attended, and besides competing, very kindly gave away the prizes. Here are the results.—

Class I (1 Year's service).

1st 2410 L-C. A.N. Mukarji 2nd 2381 L-C. Iqbal Singh Berar
3rd 2407 Cdt. O.P. Syngol 4th 2337 L-C. Badri Prasad
5th 2363 „ Anwar Beg 6th 2388 L-C. Ram Narain Singh

Class II (over 1 and under 3 yrs' service).

1st 2060 Cpl. S.N. Seth 2nd 2440/T Cdt. L.R. Goela
3rd 2197 Cdt. Jcgindar Singh

Class III (over 3 years' service)

1st 1723 C.S.M. A.S. Verma (8 competitors only).

Team Competition.

St. Stephen's College (No. 3 Platoon).

Visitors Shoot.**Military**

S/Sgt. P. Hayes
(Delhi Contingent A.F.I.)

Non-Military

Mr. B.B. Gupta, M.A.,
(Principal, Ramjas Inter.
College).

Important and much regretted departures have taken place amongst the officers.—

A Captain D.S. Gomanpuri to 12/14th Punjab Regt.

A/Captain Ramji Lal to 12/6th Rajput Rifles.

The unit's first success at the Indian Military Academy Dehra Dun, was that of M. S. Rizwani, late of St. Stephen's College; he is now in the R.I.A.S.C., and holds the rank of A/Captain.

The unit has several candidates for emergency commissions still believed to be undergoing training at the various schools in India :—

Ex.	U/Officer	H. M. Close	No. 3 Platoon
„	Cpl.	Ajoy Lal	No. 3 „
„	Sgt.	Parmeshwar Dayal	No. 3 „
„	C.S.M.	Harpashad Singh	No. 3 „
„	Sgt.	Pahlad Singh	No. 1 „
„	C.S.M.	D.S. Sethi	No. 1 „

U/Officer R.S. Rastogi was recently granted a commission as 2/Lieut in command of No. 6 Platoon, and U/Officer Sita Ram Sharma has been recommended for one.

C. S. M. Gauri Shankar No. 1 Platoon and C. S. M. Fateh Bahadur No. 6 Platoon are to be congratulated on being promoted to U/Os, while still students at the University. No. 3 Platoon are fortunate in securing the services of U/Officer W.V. Adishiah, himself an Ex-Cadet of Madras U.T.C.

The sporting activities of the Bn. was perforce curtailed by its being realized that time spent on field training in camp was of more value. The results of the events held in camp were:—

Inter. Pln. Volley Ball	No. 5 Pln. (Arabic College)
Tug-of-war	No. 4 „ (Ramjas College)
Athletics	No. 5 „ (Arabic College).

Appended is a table showing the attendances and obligations of the Bn. up to 8-10-40. This can be compared with the previous year.

Platoon	Strength	No. completed obligation.	No. not completed obligation.	Absent from camp on M.C etc. with permission	Actually absent without permission.
1	18	15	3	2	1
2	26	18	8	3	1
3	26	17	9	5	—
4	17	11	6	3	1
5	24	16	8	3	1
6	15	12	3	2	—
7	26	23	3	2	—
Total.	152	112	40	20	4

Percentage completed obligation 73·68

„ not completed obligation 26·32

News has just come to hand that the Adjutant, Major C.S. Cay is to be replaced by Lieut. A.W. Wright, and that R.S.M., G.A. Hall from the Chota Nagpur Regt. A.F. (I). will join us shortly.

Finally it appears likely that the Universities of Aligarh and Agra, the Colleges at Meerut and Roorkee are to be affiliated into this U.T.C., thereby forming a Battalion of 16 Platoons. Such a re-organization will make the 9th (Delhi) Bn. one of the largest U.T. Cs in existence.

THE UNIVERSITY ATHLETIC ASSOCIATION.

Mr. Mirza Mahmood Begg, M.A., Sports Officer, University Athletic Association, has reported as follows :—

GENERAL : The Athletic Association completed the seventh year of its existence in March, 1940 with Mr. C. Eyre Walker, M.A., M.B.E., Principal, Anglo-Arabic College, as its President.

In June, 1939, the Central Committee was constituted as follows :—

C. Eyre Walker, Esq., President.
 Dr. Ram Behari, (St. Stephen's).
 Balkishan Dass, Esq., (Hindu).
 S. C. Nanda, Esq., (Ramjas).
 M. L. Qureshi, Esq., (Arabic).
 Radhika Narain, Esq., (Commercial).
 B. L. Malhotra, Esq., (Ramjas Inter.).
 Dalip Singh, Esq., Secretary, Tournament Committee.
 M. Mahmood Begg, Esq., Sports Officer.

TOURNAMENT : This was the first year when the Inter-College tournaments were conducted by the Athletic Association. With the exception of Law College all Men's Colleges participated in the tournaments which were a great success.

CRICKET : St. Stephen's, Hindu, Arabic and Commercial Colleges entered for the Cricket tournament. St. Stephen's won and annexed the University Challenge Shield presented by the Delhi University. The Jam Sahib of Nawanagar Prize Cups were awarded to Khalilurrahman of St. Stephen's College for batsmanship, to Bikramjit of Hindu College for fielding and to Shujauddin of St. Stephen's College for bowling. The Judges were of the opinion that Zakir Husain of Arabic College and J. Sen of Commercial College deserve special mention for batting and bowling respectively.

FOOTBALL: St. Stephen's, Hindu, Arabic and Commercial Colleges entered for the Football tournament.. St. Stephen's won the largest number of points and annexed the Vice-Chancellor's Cup presented by Sir Hari Singh Gour, the first Vice-Chancellor of the University.

HOCKEY: All Men's Colleges except Law Hall entered for the Hockey tournament. Hindu College winning the largest number of points annexed the Hockey Cup presented by Rai Sahib Roop Narain, Bar-at-Law.

TENNIS: St. Stephen's College and Hindu College entered for the Tennis Doubles and Singles tournament while Arabic College entered for Tennis Singles only. St. Stephen's College secured the largest number of points both in Tennis Doubles and Singles and thus annexed the Pro-Chancellor's Cup for Tennis Doubles presented by the Hon'ble Khan Bahadur Mian Mohammad Shafi, K.C.S.I., C.I.E., the first Pro-Chancellor of the University and the Rector's Cup for Tennis Singles presented by the late Mr. K. C. Roy, C.I.E., the first Treasurer of the University.

Raghunath Dayal and Daljit Singh of St. Stephen's College secured the largest number of marks for this College in Tennis Doubles and they were awarded the Sikar Cups presented by Rao Raja Sahib of Sikar.

VOLLEY BALL. With the exception of Law College, and Commercial College all Men's Colleges entered for the Volley Ball tournament. Arabic College won the tournament and annexed the Treasurer's Cup presented by Rai Bahadur Ram Kishore, B.A., LL.B.

ATHLETICS. St. Stephen's College, Hindu and Ramjas College entered for the Athletics tournament. St. Stephen's

College secured the largest number of points and annexed the Education Member's Cup presented by the Hon'ble Sir B. N. Sarma.

TUG-OF-WAR. Hindu College, Ramjas College and Arabic College entered for the Tug-of-War tournament. Ramjas College won and annexed the Tug-of-War Challenge Cup presented by Messrs. Mohan Brothers.

THE CHANCELLOR'S TROPHY. St. Stephen's College having won the Cricket, Football, Athletics, Tennis Doubles and Singles tournaments, annexed the Chancellor's trophy presented by Lord Reading, the first Chancellor of the University.

The tournaments were conducted successfully because all Principals of Colleges, Staff and students co-operated with the organisers. The following deserve special mention for their help to the Association in the organisation of tournaments :—

(a) Principals of St. Stephen's and Hindu Colleges for placing their grounds at the disposal of the Association for Cricket, Hockey, Football, Volley Ball, Athletics and Tug-of-War tournaments.

(b) The Secretaries, Roshanara Club, Youngmen's Club, and Occasional Sports Club for lending the use of their Cricket, Football and Hockey grounds respectively.

(c) Secretary, Delhi Hockey Association Referees' Board for helping us in securing the services of qualified referees, the Secretary, Delhi Olympic Association for lending us 60 hurdles for our Sports Meet free of charge; and the Honorary Treasurer, Delhi Tennis Federation for lending us the use of Tennis Umpire's chairs free of charge.

FINANCES. The year under review opened with a balance of Rs. 323-0-9 and the income during the year from University

grant (Rs. 750), Membership fee (Rs. 24) and Tournament fees (Rs. 484) and the balance from last Tournament Committee (Rs. 157-9-0) amounted to Rs. 1415-9-0. As no University games could be organised during the year the main expenses consisted of the last year's liabilities and tournament expenses. The year closed with a balance of Rs. 843-4-6 against which there are outstanding liabilities of Rs. 220.

UNIVERSITY BOARDS. Early in the year the Central Committee had resolved that no games be recognised or Boards formed unless at least 15 playing members for each game joined as Associate Members and paid their subscription by the 15th July, 1939. Efforts were made to enrol members on payment of Rs. 3 as Associate Membership fee, but by the end of November, 1939 only a few students could be enrolled. No games were, therefore, recognised and no Boards formed during the year 1939-40.

RECOGNIZED COLLEGES.

*Report on College work and activities for the year 1939-40.
(October 1939 to September 1940.)*

ST. STEPHEN'S COLLEGE.

1. *Number of students and Examination Results.* These will be found in the tabular statement appended to the report.

2. *Scholarships and Stipends.* During the year 19 students received the University scholarships. Other scholarships and stipends were provided for 83 deserving students who were too poor to meet all their expenses in College.

3. *Teaching.* The teaching Staff of the College was strengthened by the return of Dr. Qureshi who had obtained the Ph. D. Degree of the Cambridge University the same year. The year is marked by the retirement of Shams-ul-Ulema, Moulvi Abdur Rahman Sahib, Head of the Department of Arabic, Persian and Urdu. The College has not so far been able to make any provision for the teaching of Arabic.

Tutorial work in groups of 4 and 5 is being continued in English and certain other subjects. In the B.A. Honours and M.A. classes, this is done more intensively. An organised Preparation class for resident students of the Intermediate classes was conducted as usual.

4. *Social and Occasional lectures.* As in previous years a number of addresses on moral and religious topics have been given in the College Hall in the period devoted to religion, with occasional evening lectures on more general subjects.

5. *Sports, Games and other activities.* Sports and games are organised by a Committee of students with a member of the

Staff as Chairman, the object of which is to train students in responsible administration, and to promote playing of games as widely as possible. A system of organised games for all Intermediate students at which attendance is compulsory for all at least once a week, is in force and is working satisfactorily. In the University Tournaments, we retained the Chancellor's Cup and won the following events :—

Cricket,
Tennis Singles,
Tennis Doubles,
Athletics, and
Football.

Other College activities include—

1. *The College Social Service League.* The year is marked by the building of a hut at Wazirabad village which is the centre for Social Service work.

2. *The Religious Associations.* The Students Christian Association, the Muslim Association and the Hindu Religious Association, under the leadership and guidance of members of the Staff, endeavour to supplement the religious teaching given in class and encourage an interest in religious thought and activity.

3. *Literary and Debating Societies,* of which the chief are the following :—

1. The Criterion Club which organises Debates and arranges lectures on subjects of national and general interest.
2. The Historical Society.
3. The Shakespeare Society.
4. The Urdu Dramatic Society.
5. The English Literature Society.

6. *Hostel and Hostel arrangements.* There are three Hostels, each under the superintendence of a resident member

of the Staff. The Superintendents live in the College Hostels and are in close contact with the students. The number of resident students has slightly varied with the movements of the Government of India and incidence of examinations. In October, 1939, it was 79 ; in February 1939, it was 72, and in June, 1940, it was 87.

7. For the health of resident students the Medical Officer continued to serve. His business is to assist the Hostel Superintendents in all matters relating to the health of the hostellers and to attend all cases of illness.

8. *The U. T. C.* The U. T. C. suffered considerably on account of the fact that no member of the Staff was willing to take charge of the College Platoon in the U. T. C.

9. *Library & Laboratories.* The College Library contains about 15,500 volumes. Part of this is housed in the main building of the College and is available as a lending Library for all students of the College and part in one of the large lecture rooms where books are kept in almirahs with open shelves so that students may be able to turn rapidly to any book which they require. It is open to all students of the College in Honours and M.A. classes. These have particularly appreciated the facilities which it affords for quiet study and are making increasing use of it.

There is also a Reading Room furnished with newspapers and periodicals—this is managed by a Committee of students with a member of the Staff as President—and a small Intermediate Library.

The Laboratories are adequately equipped for the growing needs of the Intermediate-Science students.

10. *Finances & Administration.* The income and expenditure of the College for the year amounted to Rs. 1,42,454

and Rs. 1,37,558-8-5, respectively. The income from fees was Rs. 66,705-8-0 and the contribution received from the Missionary Societies towards the support of the Missionary members of the Staff, Rs. 28,890-8-9. The final authority for determining the policy of the College is in the hands of the Governing Body, while in detailed administration the Principal is assisted in an advisory capacity by a Managing Committee consisting of the Vice-Principal, Bursar, and two elected members of the Staff with the Principal as Chairman. The Annual Budget is approved by the Governing Body and the details of expenditure are administered by the Managing Committee.

11. *New College.* The work of construction began towards the end of the year. It is hoped that the new buildings will be complete for occupation by October, 1941, thus, enabling the College to carry out its policy of intensive education under more satisfactory conditions.

S. N. MUKARJI,
Principal.

HINDU COLLEGE.

1. *Staff.* The following changes took place in the staff during the year under reference :—

- (a) Mr. G.R. Seth, M.A. was appointed Junior Lecturer in Mathematics.
- (b) Mr. B.N. Mitra, M.A. was appointed Junior Lecturer in English.
- (c) Dr. Bool Chand, M.A., Ph. D. was appointed Professor of Political Science at the University of Benares and granted leave from the College. Mr. Amba Parshad, M.A. was appointed as a temporary Lecturer in his place.

(d) Mr. R.D. Tewari, M.Sc., B.T. was appointed a Demonstrator in Physics.

Two new Research Fellows were appointed—
Mr. Pirthi Nath in Mathematics and Mr. Prithwi Nath Dhar in Economics.

2. *Number of students.* Will be found in the tabular statement appended to the report.

3. *Results.* The results of the University examination of 1940 were as follows:—

M.A.	...	...	...	74·2
B.A. (Hons.)	...	...	...	83·3
B.A.	...	...	...	64·3
B.Sc.	...	...	...	69·4
I.A.	...	...	...	60·2
I.Sc.	...	...	...	61·5

The following scholarships were secured by students of the College on the result of different University examinations held in 1940:—

1. Bahal Singh Yadava	I year	} University Scholarships.
2. Harish Chander	I year	
3. Jagat Narain Kapoor	III year	
4. D.K. Laroia	III year	
5. Krishen Pershad	III year	
6. Abinash Chand Jain	V year	
1. Gulzari Lal	I year	} University Khatri Scholarships
2. Rajindra Kumar Chhabra	III year	

4. *College site in the University Estate.* The College took possession of the site allotted to it in the University estate, and a number of students and Professors are living at present in the houses situated therein.

5. *Additional Accommodation in the College.* The students residing in the Main Hostel situated in the College were shifted to the houses in the University estate, and the rooms vacated utilised for College purposes.

Two large rooms were made available for Physics and Chemistry Laboratories. The ground-floor of the Main Hostel was utilised for the Library which was divided into a number of sections, and the first floor was converted into Honours and post-graduate lecture and seminar rooms.

6. *New Buildings & Hostel.* The Government of India have made a grant of Rs. 1,50,000 for the construction of a Hostel for students and a house for the Principal. The plans of the Hostel buildings have been submitted to the University and the Government, and as soon as they are approved, the work of construction will be taken in hand.

7. *Principal's house.* The plans of the Principal's house are being prepared, and it is expected that they will be submitted for approval at an early date.

8. *Library.* About 510 new volumes were purchased during the year under report, and the total expenditure under this head, including about Rs. 696 spent on Newspapers, Magazines and Journals, was Rs. 3225. A whole wing of the building formerly used as a Hostel has now been utilised for the Library, and all avoidable congestion has been removed. Students can now study in their sectional Libraries and Seminars during their leisure hours.

9. *Science Faculty.* There was a considerable rush for admission to the Intermediate classes in the Science Faculty; and additional provision had to be made for two new Laboratories—one in Physics and the other in Chemistry. Provision was also made for the appointment of an additional Demonstrator in Chemistry. The total expenditure on apparatus and equipment under this head was about Rs. 4500.

10. *Tutorial Instructions.* The Tutorial system continued to work satisfactorily; and a further Group system was

introduced to enable students and teachers to come into close social and more intimate personal contact with one another.

11. *College Societies.* The College Parliament and Union continued their usual activities and a number of debates and lectures—including an All-India Debate—were organised.

The students organised the fourth Delhi Students' Arts and Crafts Exhibition, and it proved to be a notable success.

The Students' Helping Association continued to do valuable work. It spent Rs. 2138 in giving stipends and assistance in books to poor and deserving students.

12. *Sports.* The College had a successful year in sports. Compulsory games are provided for I and III year students, and all students, are encouraged to play games regularly.

N.V. THADANI,
Principal.

RAMJAS COLLEGE.

During the period under review (Oct. 1939- Sept. 1940), there was no change in the Staff, except in the Department of English. The Department was strengthened by the appointment of four lecturers *viz.*, Mr. R.C. Sharma, M.A., Mr. K.G. Mathur, M. A., Mr. N. K. Das Gupta, M. A., and Mr. P. Gangulee, M.A. The appointments were deemed necessary on account of the general increase in the number of students in the College.

In the last Annual Examination of the University, the College achieved some notable distinctions. In the M. A. Examination in English, the First and the Second places were annexed by Ramjas College, and Mr. Sarup Singh Hooda, who has since been employed on the English Staff of the Hindu

College, stood first in the University in Class I. In the Intermediate in Arts, the First and Third places were secured by students of this College, who obtained two University Scholarships out of a total of five.

Several improvements were carried out in the two College Hostels, which are the biggest and most commodious students' hostels in Delhi, during the period under review. The Board of Residence, Health and Discipline of the University in its last report, commented very favourably on these improvements, which included the institution of a Reading Room and a Common Room for resident students with all necessary equipments. A small library was started in the Reading Room of the New Hostel.

The Games and Sports were carried on regularly during the period. The College has its own playgrounds for Football, Hockey, Volley-ball, Cricket, Tennis and Athletic Events. For the resident students of the First, Third and Fifth Year Classes, games and sports are compulsory and the Physical instructor of the College is in charge of them. These daily games and sports on College grounds have become very popular and absentees are few. The college teams entered for most of the items of the University Tournament. The College won the Tug-of-War trophy and secured the first five places in Athletic events. The compulsory games and sports have been regularly conducted during the period. Tennis seems to be the most popular game, for which there are at present two well-laid courts.

The College contributes one platoon No. 4, to the University Training Corps. The platoon is commanded by U/O Pt. Sita Ram and has maintained a good standard of efficiency. The attendance in Camp was very satisfactory, there being only 3 absentees who could not attend on account of illness. In the U. T. C. tournament the College platoon won the Tug-of-War

trophy and stood Second in Volley-ball and got 9 prizes out of 18 in the Athletic Events, the remaining being distributed among 6 other platoons.

The recognised Societies of the College are :—

(i) The College Parliament, (ii) the Sanskrit Association, (iii) The Kedar Nath Scientific Society, and (iv) The English Seminar, all of which are of many years' standing. The activities of these Societies have been carried on regularly during the period under review. The anniversaries of the English Seminar and the Sanskrit Association were held successfully during March, 1940. The English Seminar Anniversary was presided over by the late Reverend C. F. Andrews who expressed great satisfaction at the continued success of the Seminar and delivered an inspiring address. Several interesting papers on topics of English Literature were read at the meeting. The Anniversary of the Sanskrit Association was presided over by Rai Bahadur N.K. Sen, Registrar of the University, and speeches were made and papers read in the Sanskrit language. At both these anniversaries many distinguished citizens of Delhi were present. The Technologists' Club, which functions under the Scientific Society, held during March, 1940, an exhibition of its products, manufactured by the Students of Chemistry. The exhibition was opened by Rai Bahadur Bishan Narain and was well attended.

The College Library has been re-organised during this period and further facilities for consulting books in the Library have been provided. The number of books at the end of the period under review was 9,457. The annexed Reading Room, which is intended for the use of advanced students, is attracting more readers.

There were a few changes in the personnel of the Governing Body of the College which has a written constitution lodged

with the University. Regular monthly meetings of the Governing Body for the transaction of sundry business were held during the period under review.

S. DUTT,
Principal.

ANGLO-ARABIC COLLEGE.

1. *Staff.* Mr. C. Eyre Walker, M. A., who had been the Principal of the College for 13 years, resigned his appointment on the 27th of April, 1940 and since that date Mr. Shaukat Husain Zaidi, M.A. has been working as Officiating Principal of the College. New Principal is now appointed and he is expected to join the College on the 1st. of January, 1941. Mr. Abdus Samad, Lecturer in English, remained on sick leave for about two months and in his place Mr. Amjad Ali, M.A., an old boy of the College was appointed. Mr. Amjad Ali is now working till the new Principal takes over charge. Academic work has been carried on normally but an urgent need is felt to increase the Staff in Arabic and Persian as the College has applied to the University for starting B. A. Honours and M. A. in Persian and Arabic. It is hoped that teaching in B. A. Honours and M. A. in Persian and Arabic will commence with effect from May, 1941 when new members of the Staff in these subjects will be appointed.

2. *Curriculum.* There have been no changes in the Curriculum which inculdes English, Philosophy, Economics, Histroy, Arabic, Persian, Mathematics, Physics, Chemistry and Urdu.

3. *Number and Examination Results.* The number of students on the rolls is 290 of whom 100 are reading in the Degree

Classes. The College presented 40 candidates for the B. A. and B. Sc. degree Examinations in April, 1940, of whom 24 passed and 5 were placed in compartment. These 5 have since passed the Supplementary Examination. In the Intermediate Arts and Science Examinations 80 were presented of whom 37 passed and 11 were placed in compartment. Of these 11 candidates 8 have since passed the Supplementary Examination.

4. *Student Societies.* The various Student Societies have continued to do useful work. Under their auspices distinguished lecturers were invited to deliver interesting and instructive lectures. The College Union successfully arranged All-India Debates in English and Urdu, where representatives from distant places like Bombay and Madras participated. The Social Service Society has continued to do useful work. Night Schools at four different places in the City were successfully helping the adults. Help and loans to needy students have been given by this Society. This Society deserves every help and encouragement from the Municipal and Educational authorities in Delhi. The College Historical and Economic Societies went on tour to Agra and Bombay where 24 students of the College visited Historical places, industrial factories and labour centres and were greatly benefitted. College authorities, it is hoped, will finance such tours in future.

5. *Library.* There are at present 7267 books in the College Library and 577 books have been added during the last year. The College Library subscribes to about 43 Magazines and Journals and receives about 15 Magazines as free gifts. It is noticed that the average number of books issued daily is increasing. The Library is run on modern Dewy Decimal System of Classification and this has proved a great boon to students and members of the Staff. With the expansion of rooms we shall have open Shelf System.

6. *Hostel.* Mr. Mahmood Begg, M. A. is the Superintendent of the College Hostel since May, 1939. There is accommodation for 40 students and we have 34 students in the Hostel at present. Extensive repairs have been carried out in the Hostel Common Room which have improved it very much. The Medical Attendant for Hostel Students is Dr. Asa Ram who has been in charge since February 1939. The College hostellers are obeying Hostel regulations as a matter of self-discipline and the Superintendent reports well on the conduct of all resident students.

7. *Games & Athletics.* There are no further developments to report. The students subscribe Rs. 6 per head and the Games Committee consisting of all Presidents of Games, Captains and Secretaries, discusses the annual Games and Sports budget and the Presidents spend money in accordance with the budget passed. On account of lack of sufficient funds and College playing grounds, all students of the College are not benefitted by games and sports although all efforts are made to make physical training compulsory. In November, 1940 the College Hockey team won the University Championship in Hockey.

8. *University Training Corps.* The College Platoon under the command of Mr. Abdus Samad completed its training during the year. Mr. Abdus Samad could not attend the Annual Camp of Exercise on account of his protracted illness and this had seriously affected the tone of the Platoon. He is still unable to attend parades on account of pain in his leg.

S. H. ZAIDI,
Offg. Principal.

COMMERCIAL COLLEGE.

The College has entered upon the fourteenth year of its useful existence. It was recognised as a constituent college of the University in 1926, and as a Degree College in 1932 and ever since there has been a steady increase in the number of students.

1. The management is vested in a Managing Committee appointed by the Delhi Commercial Education Trust, (a Registered Association). Lala Shri Ram is the President and Lala Shankarlal, B.A. is the Secretary of the Managing Committee which has co-opted Rai Bahadur N. K. Sen, M.A., Dean of the Faculty of Arts and Registrar, Delhi University.

2. *Number of students and Examination results.* It is gratifying to report that there has been a further marked rise in the number of students this year. The maximum number on the rolls this year reached 420 as against 330 reached last year. This is a sure sign of the growing popularity of this institution. The University Examination results were highly satisfactory. In the B.A. Examination one of our students was placed first in order of merit in the First Division. The percentage of pass in I.A. (Com.) and B.A. (Com.) were 83·1 and 76·0 as against the University percentage of 60·0 and 50·8 respectively.

3. *Teaching.* For the Intermediate the subjects taught are—English, Commerce and Economics (Compulsory) with one of the following subjects as elective *viz.* History, Regional and Commercial Geography, Mathematics, Sanskrit and Hindi or Urdu. For the B.A. English, History, Mathematics, Commerce and Economics are taught in three combinations. Commerce is compulsory for all students. A special feature of the institution has been the religious instruction which is regularly imparted on a non-sectarian basis to all students by the

Principal who conducts the Morning Prayer. Extra-mural lectures were delivered by distinguished visitors as in past year. The Governing Body is considering the question of opening Honours classes in a few subjects and also moving the University to institute the M. Com. Degree.

4. Owing to the very welcome rise in the number of students, the first year class and the second year class have been divided into two sections and tutorial assistance has been provided for the students of all the classes.

The teaching staff has been strengthened by the appointment of one additional lecturer in each of the compulsory subjects: English, and Commerce. Besides this one additional part-time tutor has been appointed in English, Commerce and Economics, for the present, on a temporary basis. In English the newly appointed Lecturer, Mr. Samarendra Sen is a First Class First B.A. Honours man as well as First Class First M.A. of Calcutta University besides being a Research Scholar. Mr. K. K. Das who has been appointed a lecturer in Commerce holds a second class B. Com. (Hons.) degree of London University. He is also a First Class First Honours B. Com. of Dacca University. Both of these new lecturers have also some teaching experience. Out of the 12 lecturers in the teaching staff 10 are First Class First M.A.'s in their respective subjects and one is a First Class First B. Com. Honours and second class Honours B. Com. of London University. The two lecturers in Oriental subjects are double First Class M.A.'s, one (who is also an M.O.L.) in Sanskrit and Hindi and the other in Persian and Urdu. The Lecturer in Mathematics is a Ph. D. of Calcutta University.

5. The College has got its own extensive play-grounds, in the Bela which has been laid out and equipped for Football, Hockey, Cricket and Tennis. Two more playing fields have

been hired for 3 days in the week. This side of the College activities has developed enormously during the last few years. Students are very keen to avail themselves of the splendid facilities now offered to them for developing their mind and body in open air games and sports. There is also a Tennis Court and a Volley Ball Ground in the College compound. Indoor games like Carrom, Chess and Ping-Pong have their ardent votaries. The College team entered many of the various University tournaments and gave a fair display. A Gymnasium was opened the year before last and placed under a qualified Gymnastic Master. It has been attracting many students. A separate coach for training students in the different games was also appointed in the same year and all the games are now well organised specially Cricket in which our First Eleven are giving an excellent display.

Literary Association. Under the guidance and inspiration of the Principal the College Union has been intensely active during the year of report, and interesting subjects of great public and academic interest have been discussed and debated. Regular weekly meetings have been held. Eminent scholars were invited to deliver discourses on current topics.

7. *The College Magazine.* Yamuna, has continued to flourish as a faithful mirror of College life, and also as a valuable literary journal, to which contributions are made by the students and staff as well as by Ex-students. As before Dr. Sukumar Ranjan Das Gupta has been in charge of the Magazine as Editor in-Chief.

8. *The Hostel.* The College Hostel has been shifted to a very fine building to the west of the Faiz Bazar Police Station. It has a very big quadrangle with spacious verandas on all sides. There is a big compound and an attached Superintendent's quarter. Mr. K. K. Das, the newly appointed Lecturer in Commerce has been appointed Superintendent of the Hostel which can very comfortably accommodate about 40 students.

9. *Medical Inspection.* Dr. S. R. Chopra, M. B., B. S., regularly looks after the health of the resident students. He has also started medically examine all students of the College.

10. *The University Training Corps.* 28 students joined the U. T. C. as against 41 of last year. There are one Company Sergeant, 2 Corporals and 4 Lance Corporals among the members of the Corps from this College. Mr. R. S. Rastogi who has been appointed a 2nd Lieutenant continues to be the O. C. of the College Platoon. The attendance of the Platoon in the annual camp was very good. The Platoon did well in the efficiency competition.

11. *Night School.* The students of the College under the guidance of a few members of the staff have been very successfully running a Night school for adults as well as for children of the so-called depressed classes. It has been made compulsory for students receiving any help from the College to work in this Night School for a few weeks by turn.

12. *Library and Reading Room.* Considerable additions have been made to the Library and more than Rs. 1,445 worth of books added during this year. There are 6,066 books in the Library.

The Reading Room continued to attract a large number of students. In addition to Indian journals and Newspapers a number of foreign journals and periodicals are being subscribed to this year. In all more than 45 journals and periodicals are subscribed for.

13. *Building.* Considerable additions and alterations have been made to the College building at a cost of over Rs. 10,000 to enlarge class-room accommodation. The College is looking forward to the day when it will move to its own build-

ings on the University site. The present rented buildings are scarcely capable of future expansion.

14. The Old Boys' Association held its annual function, which included games and music and ended with dinner. It is hoped that the Association will show greater activities as time passes. Professor Prahlad Krishna Mathur an old boy himself has been re-elected President.

15. *Historical Society.* Some members of the Historical Society joined the Annual Excursion, which visited Harappa, Taxila, Peshawar, Landikotal upto the Afgan Frontiers. As usual a few members of the staff joined the party.

16. The Kautilya Society last year organised a number of tours in the rural areas for the purpose of studying economic conditions of the people, particularly the work of the consolidation of holdings. A number of eminent scholars were also invited to deliver lectures on important economic problems.

17. The Hindi Sahitya Sabha as well as the Baz-mi-Adab have been as active as in previous years.

18. The Dramatic Club very successfully staged a Hindi Drama which was greatly enjoyed by the Delhi public.

19. *The Commercial College Co-operative Bank, Ltd.,* started and registered last year has flourished almost beyond expectations. A large number of students as well as teachers have opened various accounts in the Bank, which is being administered by a few members of the staff with the help of batches of students who keep the books and do the day-to-day work of the Bank. The Bank has proved very useful as a training ground for our students in Book-keeping and Banking.

S. SEN,
Principal.

INDRAPRASTHA GIRLS' COLLEGE.

1. *Number on rolls.* At the close of the year 1939-40, the number of students on rolls was as under.—

Intermediate classes :	171
Degree classes :	58

Total	229
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2. *Examination results.* For 1940 Examinations the result of the candidates sent by this college was as under :—

	<i>No. Sent</i>	<i>No. Passed</i>	<i>Percentage</i>
Intermediate	68	57	83·82
Degree	22	18	81·81

Among the female candidates our students stood First both at the Intermediate and the B.A. Examinations.

3. *Staff.* During the year under report there were further additions to the staff with the appointment of Mrs. R.W. Ghate, B.Sc. (Econ.) London, as Lecturer in Economics and Mrs. N.S. Jung, M.A., as a Lecturer in Philosophy.

4. *Extra Curricular Activities.* The Students Union and the Hostel Union carry on their activities as usual and held regular meetings. Under the guidance of the members of our teaching staff, keen interest was shown throughout the year. Considerable progress was made for holding regular classes in Music, Painting, Drawing as well as Rythmical and folk dances.

5. *Games and Sports.* The spacious grounds at the back of the main college building have now been prepared for providing various games such as tennis, hockey, volley-ball, basket-ball and badminton, etc. The students are encouraged to take as much active part in games as possible.

6. *Discipline.* Throughout the year, discipline at the college was maintained at the high level. The Principal received

active co-operation and goodwill from the management and the members of her staff.

7. *Accommodation.* After effecting the necessary alterations and repairs in the building, which was acquired last year, attention was paid in providing further amenities and to improve the general outlook and appearance of the premises.

8. *Hostel.* The college hostel is now located in a wing of the main building. The Principal as well as the matron reside in the rooms adjoining the hostel and look to the needs and other comforts of the resident students. For non-resident students requiring facility of conveyance, motor buses are provided at a nominal charge.

9. *Library and reading room.* There is a well-equipped library to which further additions were made during the year. Card Index Cabinet has been provided and the library now contains suitable selection of books on the subjects taught in the college as well as books on current topics and problems. Every possible encouragement is given to the students to make an intelligent use of the library. The reading-room has been provided with newspapers, Magazines and Journals, representing every interest and shade of opinion. Important journals are kept in bound volumes to serve as permanent record for future reference.

10. *Management.* The Management is in the hands of the College Society which is a Registered Body incorporated under Societies Registration Act of 1861. The Board of Trustees of the College has appointed a Governing Body for the management of the college which consists of the following members:—

1. Lala Banwari Lal, Rais and Lohiya.
2. Lala Raghbir Singh, B. A., Rais.

3. Rai Bahudur Ram Kishore B.A., LL. B., Advocate.
4. Mr. Mohd. Mujib, B.A. (Oxon.)
5. Rai Bahadur N.K. Sen. M.A.
6. Dr. T.G.P. Spear, M.A., Ph. D.
8. Seth Laxmi Narain Gadodia.
9. Dr. B.D. Laroia, B.Sc., Ph.D.
10. Miss K. Gupta, M.A., L.T. (Principal)
11. Pt. Ram Deva, M.A.
12. Lala Jagdish Prasad, B.A., B. Com. (Bom.), G.D.A. R.A., Auditor.

11. *Scholarships.* A generous and liberal policy has been followed in the grant of stipends to the deserving and poor students, out of the college Fund. Besides this private scholarships or stipends were contributed by the following persons or associations:—

1. University of Delhi
2. Board of Secondary Education, Delhi
3. Mrs. Sultan Singh, Delhi
4. L. Aditya Narain, Delhi
5. Prag Narain Trust, Meerut
6. Fatehpuri Masjid Trust
7. Jama Musjid Trust
8. Bootawala Charitable Trust
9. The U.P. Government
10. Mrs. Maharaj Bahadur Nigam of Jaipur

12. *Finance.* The income and expenditure of the College for the year ending 31st March, 1940, were (subject to audit) as under :—

<i>Income</i>		<i>Expenditure</i>	
Government Grant	6, 252- 0-0	Establishment	26,756- 9-0
Fees	40, 166- 0-0	Rent and upkeeping	
Managements'		of property.	7,168-12-6
Contribution	8, 368- 0-0		

Other Income.	33-12-9 Motor Buses		
	running expenses	9,228-10-9	
	Hostel Expenses	2,703-11-6	
	Scholarships.	1,087- 8-0	
	Furniture and		
	Library books.	3,127-11-6	
	Depreciation on		
	property.	2,800- 0-0	
	Other expenses	2,883- 4-7	
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Total	Rs. 54,819-14-10	Total	Rs. 54,819-14-10
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K. GUPTA,
Principal.

RAMJAS INTERMEDIATE COLLEGE.

1. *Number of Students.* Owing to the opening of Commerce classes the number of students has greatly increased. The total strength of the College on 1st November 1940 was 203 as against 115 in November, 1939.

2. *Examination Results.* The University results this year have as usual been satisfactory. Out of 55 sent up for the Intermediate (Arts) Examination 39 were declared successful and 2 were placed under compartment.

3. *Staff.* In April, 1940 Pt. Chunni Lal Shastri retired after completing 17 years of useful service in the college. His place was taken up by Mr. K. C. Sharma, M.A. a first class M.A. of Delhi University. On starting Commerce classes the College was fortunate in getting the services of Dr. A. Nader, M.A., M.Com., Ph. D. But in July he and Mr. Ramji Lal, Lecturer in Economics had to leave us for they were granted emergency commissions. Mr. Yagya Dutta Sharma, M. A. (First Class) B. A. (Commerce) has been appointed lecturer in Commerce and Geography while Mr. Amar Nath Agrawal, M.A. (Allahabad) has taken charge of the Economics Department.

4. *The Tutorial System.* The students of the college are divided into groups and each group is assigned to a Professor who acts as Tutor. The Tutor keeps a record of the personal history of his ward, he watches over their physical, intellectual and moral welfare. Tutorial groups ordinarily meet once a fortnight.

5. *Personal Tuition.* Students are divided into groups of 5 or 6 each for purposes of teaching English Composition. Each group meets the Professor concerned at least once a week. This system of Seminar work has been introduced in several other subjects.

6. *The College Union.* The Union was fairly active during the period under review. Besides holding fortnightly debates it organised not a few lectures and addresses which were delivered by eminent public men and educationists. It organised two Kavi Sammelans.

7. *Games and Sports.* Ample facilities are provided for physical activities of students. Provision already existed for Hockey, Football, Volleyball and Badminton. Tennis has been added this year. A beautiful lawn outside Delhi Gate has been rented. The College participated in the University Tournaments for Hockey, Football and Volleyball and gave a good account of itself particularly in Volleyball in which it lost in the Final.

8. *Building.* The college is housed in a building of its own in Daryaganj. The college hall is very spacious and is fairly well furnished.

9. *Residential Arrangements.* The previous hostel attached to the college building proved far too small for the growing numbers. The college has therefore rented a big Kothi in Daryaganj which has been styled as the New Hostel. The Hostels are in charge of two Superintendents who reside in the premises.

10. *Library and Reading Room.* The Library is well equipped with books on the different subjects taught in the college. There is a separate section containing easy and interesting books. It is exclusively meant for students. The Helping Section of the library lends books to the poor and deserving students for full two years. About 400 volumes were added during the period under review and the total expenditure under this head was Rs. 732.

The college Reading Room is furnished with all important newspapers and journals some of which are kept in bound volumes for permanent use.

B. B. GUPTA,
Principal.
